

Product datasheet for **RC200773**

TGF beta induced factor 2 (TGIF2) (NM_021809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TGF beta induced factor 2 (TGIF2) (NM_021809) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TGF beta induced factor 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200773 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGACAGTGATCTAGGTGAGGACGAAGGCCTCCTCTCCCTGGCGGGCAAAGGAAGCGCAGGGGGA
ACCTGCCAAGGAGTCGGTGAAGATCCTCCGGACTGGCTGTACTTGCACCGCTACAACGCCTACCCCTC
AGAGCAGGAGAAGCTGAGCCTTCTGGACAGACCAACCTGTCAGTGCTGCAAATATGTAAGTGGTTCATC
AATGCCCGGGGGCTTCTCCAGACATGCTTCGGAAGGATGGCAAAGACCCTAATCAGTTTACCATT
CCCGCCGGGGGTAAGGCCTCAGATGTGGCCCTCCCCGTGGCAGCAGCCCTCAGTGTGGCTGTGTC
TGTCACGCCCCACCAATGTGCTCTCCCTGTCTGTGTGCTCCATGCCGCTTCACTCAGGCCAGGGGAA
AAGCCAGCAGCCCTTCCACGTGGGAGCTGGAGTCTCCCAAGCCCTGGTGACCCCTGGTAGCACAC
TACTCTGCTGACCAGGCTGAGGCTGGAAGCCCCACAGGTGGACTCTTCAACACGCCACCACCCACACC
CCCAGAGCAGGACAAAGAGGACTTCAGCAGCTTCCAGCTGCTGGTGGAGGTGGCGCTACAGAGGGCTGCT
GAGATGGAGCTTCAAGCAGCAGGACCCATCACTCCATTACTGCACACTCCCATCCCTTTAGTCTCTG
AAAATCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_021809.7](#)

RefSeq Size: 3415 bp

RefSeq ORF: 714 bp

Locus ID: 60436

UniProt ID: [Q9GZN2](#)

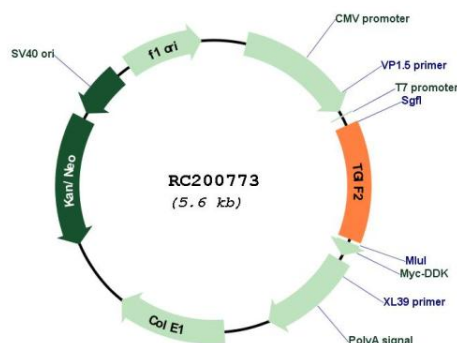
Cytogenetics: 20q11.23

Protein Families: Transcription Factors

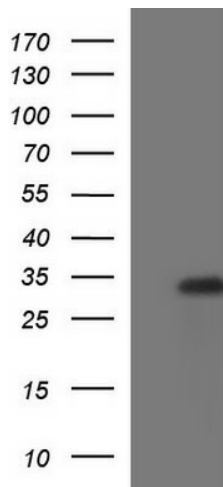
MW: 25.9 kDa

Gene Summary: The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor, which appears to repress transcription by recruiting histone deacetylases to TGF beta-responsive genes. This gene is amplified and over-expressed in some ovarian cancers. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. Read-through transcription also exists between this gene and the neighboring downstream C20orf24 (chromosome 20 open reading frame 24) gene. [provided by RefSeq, Dec 2010]

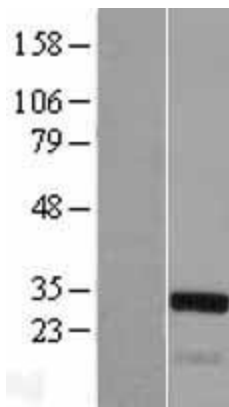
Product images:



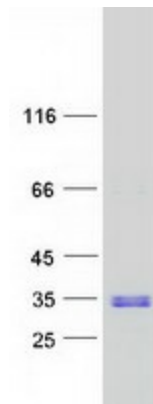
Circular map for RC200773



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TGIF2 (Cat# RC200773, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TGIF2 (Cat# [TA590467]). Positive lysates [LY411916] (100ug) and [LC411916] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY411916]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200773 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TGIF2 protein (Cat# [TP300773]). The protein was produced from HEK293T cells transfected with TGIF2 cDNA clone (Cat# RC200773) using MegaTran 2.0 (Cat# [TT210002]).